



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** CH191A  
**Use of the preparation** Inkjet printing.  
**Version #** 01  
**Revision date** 03-14-2009  
**CAS #** Mixture  
**Synonym(s)** ColorSpan 0900460-001  
**Company identification** Hewlett-Packard Company  
3000 Hanover Street  
Palo Alto, CA 94304-1185  
United States  
Telephone 650-857-1501  
  
Hewlett-Packard health effects line  
(Toll-free within the US) 1-800-457-4209  
(Direct) 1-503-494-7199  
HP Customer Care Line  
(Toll-free within the US) 1-800-474-6836  
(Direct) 1-208-323-2551  
Email: hpcustomerinquiries@hp.com  
  
**Date prepared** Mar 13, 2009  
**MSDS number** 363124

## 2. Hazards Identification

### Acute health effects

**Skin contact** May cause sensitization by skin contact. Contact with skin may result in irritation. Avoid contact with the skin.

**Eye contact** Contact with eyes may result in irritation. Avoid contact with eyes.

**Inhalation** Inhalation may result in respiratory irritation.

### Potential health effects

**Routes of exposure** Potential routes of overexposure to this product are skin and eye contact.

## 3. Composition / Information on Ingredients

Component/substance	CAS number	% by weight
1,2-Hexanediol	6920-22-5	<10
Blue Dye	Proprietary	<5
Minor Ingredients		<2
Water	7732-18-5	Balance

**Composition comments** This product is highly soluble in water.

## 4. First Aid Measures

### First aid procedures

**Eye contact** In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops or persists.

**Skin contact** In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water.  
Wash clothing separately before reuse.

**Inhalation** In case of accident by inhalation: remove casualty to fresh air and keep at rest. If symptoms persist, get medical attention.



# MATERIAL SAFETY DATA SHEET

## Ingestion

Rinse mouth out with water. Give several glasses of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. If symptoms persist, get medical attention.

---

## 5. Fire Fighting Measures

Flash point and method	Not flammable
Hazardous combustion products	Decomposition of this product may yield oxides of sulfur and nitrogen.
Flammable properties	The product is not flammable.
Extinguishing media	
Suitable extinguishing media	Use any media suitable for the surrounding fires.
Unusual fire and explosion hazard	The product is not flammable.
Protection of firefighters	
Protective equipment and precautions for firefighters	Wear suitable protective equipment.

---

## 6. Accidental Release Measures

Personal precautions	Avoid contact with skin. Do not touch or walk through spilled material. Use personal protective equipment to minimize exposure to skin and eye.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Methods for cleaning up	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Clean up in accordance with all applicable regulations. Clean-up methods - small spillage; Flush area with flooding quantities of water.

---

## 7. Handling and Storage

Handling	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product. Use personal protective equipment as required. Use only with adequate ventilation. When using, do not eat, drink or smoke.
Storage	Keep tightly closed in a dry, cool and well-ventilated place. Store at room temperature. Do not handle or store near an open flame, heat or other sources of ignition. Keep out of the reach of children.

---

## 8. Exposure Controls / Personal Protection

Personal protective equipment	
General	Eye wash fountain and emergency showers are recommended.
Eye / face protection	Wear safety glasses; chemical goggles (if splashing is possible).
Skin protection	Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing.
Respiratory protection	No personal respiratory protective equipment required under normal conditions of use. Provide adequate ventilation.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Launder contaminated clothing before reuse.

---

## 9. Physical & Chemical Properties

Color	Cyan
Odor	mild solvent
Odor threshold	Not available.
Physical state	Liquid.
Form	Aqueous solution.



# MATERIAL SAFETY DATA SHEET

pH	7 - 8
Melting point	< 32 °F (< 0 °C)
Freezing point	Not available.
Boiling point	> 212 °F (> 100 °C)
Flash point	Not flammable
Evaporation rate	Not available.
Flammability	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	Not available.
Relative density	1.03 g/cm <sup>3</sup>
Solubility (water)	Soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
VOC	82.4 g/L

---

## 10. Chemical Stability & Reactivity Information

Chemical stability	Stable under normal storage conditions.
Conditions to avoid	Avoid high temperatures.
Incompatible materials	Strong oxidizing agents.

---

## 11. Toxicological Information

Sensitization	May cause sensitization by skin contact.
Local effects	Inhalation of vapors in high concentration may cause irritation of respiratory system.
Carcinogenicity	None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.

---

## 12. Ecological Information

Ecotoxicity	The product is miscible in water and readily biodegradable in both water and soil. Accumulation is not expected.
Persistence and degradability	Not available.

---

## 13. Disposal Considerations

Disposal instructions	Dispose of in compliance with federal, state, and local regulations. Do not allow this material to drain into sewers/water supplies.
-----------------------	--

---

## 14. Transport Information

### IATA

Not regulated as dangerous goods.

**General** Not a regulated article under United States DOT, IATA, ADR, IMDG, or RID.

---

## 15. Regulatory Information

US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.
------------------------	--



# MATERIAL SAFETY DATA SHEET

**CERCLA (Superfund) reportable quantity**

None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

---

**16. Other Information**

**HMIS® ratings** Health: 1  
Flammability: 0  
Physical hazard: 0  
Personal protection: B

**NFPA ratings** Health: 1  
Flammability: 0  
Instability: 0

**Issue date** Mar 13 2009 11:36PM

**Revision** 1

**Disclaimer** This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard Company. Data is the most current known to Hewlett-Packard Company at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.

**Explanation of abbreviations**

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>CAS</b>	Chemical Abstracts Service
<b>CERCLA</b>	Comprehensive Environmental Response Compensation and Liability Act
<b>CFR</b>	Code of Federal Regulations
<b>COC</b>	Cleveland Open Cup
<b>DOT</b>	Department of Transportation
<b>EPCRA</b>	Emergency Planning and Community Right-to-Know Act (aka SARA)
<b>IARC</b>	International Agency for Research on Cancer
<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>NTP</b>	National Toxicology Program
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PEL</b>	Permissible Exposure Limit
<b>RCRA</b>	Resource Conservation and Recovery Act
<b>REC</b>	Recommended
<b>REL</b>	Recommended Exposure Limit
<b>SARA</b>	Superfund Amendments and Reauthorization Act of 1986
<b>STEL</b>	Short-Term Exposure Limit
<b>TCLP</b>	Toxicity Characteristics Leaching Procedure
<b>TLV</b>	Threshold Limit Value
<b>TSCA</b>	Toxic Substances Control Act
<b>VOC</b>	Volatile Organic Compounds



# MATERIAL SAFETY DATA SHEET

**Manufacturer information**

Hewlett-Packard  
11311 K-Tel Drive  
Minnetonka, MN 55343 US  
Product Information 1-800-925-0563